
SPACE GATEWAY SUPPORT (SGS) SGS-01 11 00.00 99 (December 2006)

Preparing Activity: SGS-DE Superseding

SGS-01 11 00.00 99 (April 2006)

SGS GUIDE SPECIFICATIONS

References are NOT in Agreement with UMRL dated 09 October 2006

Revised throughout - changes not indicated by CHG tags *******************

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DIVISION 01 - GENERAL REQUIREMENTS

SECTION 01 11 00.00 99

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12/06

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SECTION 01 1	1 00.00 99
SUMMARY O 12/0	
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This specification covers red description and special admir of the selected project.	
Brackets are used in the text choices or locations where to supplied by the designer. Whithe designer is to remove introduced requirements not related to tregardless whether or not brackets.	ext must be chosen or ile editing this section formation and/or the respective project ackets are present.
********* NOTE: Describe the project a involved in sufficient detail general picture which is self refer to the drawings or to a specification. Mention peculand monitoring of archaeological this paragraph verbatim in profer advertising the project.	and the types of work l so as to present a f contained but does not other parts of the liar or hazardous work, ical resources. Use reparing the synopsis
PART 1 GENERAL	
1.1 SUMMARY	
[The work to be performed under this [N is located at Cape Canaveral Air Force Station is located at the end of State and the City of Cape Canaveral, FL.]	Station. Cape Canaveral Air Force
[The work to be performed under this [A at Patrick Air Force Base. Patrick Air	air Force] [] project is located Force Base is located approximately

three mile	es south of the City of Cocoa Beach, FL on State Road AlA.]
Kennedy Sp miles Nort Road 3 and	to be performed under this [NASA] [] project is located at pace Center. Kennedy Space Center is located approximately 10 th of State Road 508 and the City of Merritt Island, FL on State d approximately 8.5 miles East of US Highway 1 and the City of e, FL on State Road 408.]
	to be performed under this project consists of providing the sipment and materials to [].
	d of performance for this scope of work will be provided by the ct Administrator and addressed within the Request for Proposal.
1.2 PROJE	CT DESCRIPTION
1.2.1 Civ	il/Site
[]	
1.2.2 Str	uctural
[]	
1.2.3 Arc	hitectural
[]	
1.2.4 Mecl	hanical
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1.2.5 Ele	ctrical
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1.2.6 Spe	cial Construction
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1.3 REFER	ENCES
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	Use the Reference Wizard's Check Reference feature when you add a RID outside of the Section's

Reference Article to automatically place the reference in the Reference Article. Also use the Reference Wizard's Check Reference feature to update the issue dates.

References not used in the text are automatically deleted from this section of the project

specification when you choose to reconcile references in the publish print process.

The publications listed below form a part of this section and the work requirements:

AMERICAN WELDING SOCIETY (AWS)

AWS B2.1 (2000) Specification for Welding Procedure

and Performance Qualification

AWS D1.1/D1.1M (2006) Structural Welding Code - Steel

ASME INTERNATIONAL (ASME)

ASME BPVC SEC IX (2004) Boiler and Pressure Vessel Code;

Section IX, Welding and Brazing

Qualifications

U.S. AIR FORCE (USAF) - 45TH SPACE WING (SWI)

AFI 33-118 (2002) Radio Frequency (RF) Spectrum

Management

U.S. NATIONAL ARCHIVES AND RECORDS ADMINISTRATION (NARA)

29 CFR 1910 (2006) Occupational Safety and Health

Standards

29 CFR 1926 (2006) Safety and Health Regulations for

Construction

1.4 SUBMITTALS

NOTE: Review submittal description (SD) definitions in Section 01 33 00 SUBMITTAL PROCEDURES and edit the following list to reflect only the submittals required for the project. Keep submittals to the minimum required for adequate quality control. Include a columnar list of appropriate products and tests beneath each submittal description.

A "G" following a submittal item indicates that the submittal requires Government approval. Some submittals are already marked with a "G". Only delete an existing "G" if the submittal item is not complex and can be reviewed through the Subcontractor's Quality Control system. Only add a "G" if the submittal is sufficiently important or complex in context of the project.

For submittals requiring Government approval on Army projects, a code of up to three characters within the submittal tags may be used following the "G" designation to indicate the approving authority. Codes for Army projects using the Resident Management System (RMS) are: "AE" for

Architect-Engineer; "DO" for District Office (Engineering Division or other organization in the District Office); "AO" for Area Office; "RO" for Resident Office; and "PO" for Project Office. Codes following the "G" typically are not used for Navy, Air Force, and NASA projects.

Submittal items not designated with a "G" are considered as being for information only for Army projects and for Subcontractor Quality Control approval for Navy, Air Force, and NASA projects.

Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES in sufficient detail to show full compliance with the specification:

SD-01 Preconstruction Submittals

Submit the following items to the SGS Subcontract Administrator (throughout this document, the term "SGS Subcontract Administrator" means "SGS Subcontract Administrator or his/her Representative:"

Safety / Accident Prevention Plan
Lifting Operation Plan
Hazardous Material Safety and/or Site Plans
Performance of Work Plan
Utility Outage Requests
Connection Requests
Borrow Requests
Excavation Requests
Brush/Tree Clearing Requests
Welding Requests

SD-07 Certificates

Borrow Permits Burning Permits Excavation Permits Welding Permits

1.5 SAFETY/ACCIDENT PREVENTION PLAN SUBMITTALS

NOTE: Use the following two paragraphs only if the property is Air Force real property. Use only the second paragraph if this project is located on NASA property.

Submit the following for this work:

Submit a [Safety / Accident Prevention Plan to show that they do not expose government property, the public, subcontract workers, or of any other

subcontractor employees to hazards that they create. The Subcontractor is required to follow all OSHA regulations. Details in the Safety / Accident Prevention Information must delineate how to protect government property, the public and workers from other employers. Do not include with the plan details of the Subcontractor's Internal Safety Program for the protection of their workers since that is an issue between the Subcontractor and OSHA. Submit this information to the SGS Subcontract Administrator for review by the appropriate Safety Office.]

[In addition,]Submit Hazardous Material Safety and/or Site Plans to the SGS Subcontract Administrator for delivery to SGS Safety, Health and Training Directorate as outlined in the attachment titled "SAFETY INFORMATION AND REQUIREMENTS." These plans must include details of the Subcontractor's Internal Safety Program for the protection of their workers.

1.6 SUBCONTRACT DRAWINGS

NOTE: Designer needs to choose if the project is going to require full size drawings or if it can be done with sketches. If full size drawings are to be used then a separate document no. from Electronic Document Control (EDC) has to be established. If the project only requires 8 1/2" x 11" or 11" x 17" sketches then they can be included with the specifications under the same document no.

[The following drawings accompany this specification and are a part thereof.

Drawing	g 1	No.	[]]	
Sheets	1	thi	cough	[]]

[Sketches that accompany and are part of this specification can be found at the end of this document.]

Subcontract construction documents including drawings, maps, and specifications will be furnished to the Subcontractor in hard copy format and at the Contractor's discretion in an electronic format. When provided drawings will be in a .dgn or .dwg format. Reference publications will not be furnished.

Immediately check furnished drawings and notify the Contractor of any discrepancies.

The drawings indicate the general location and arrangement of existing conditions. Existing underground utilities and interior utility runs shown on these drawings may not be complete and the locations are approximate. Prior to developing any shop drawings and/or work plans it is strongly recommended that the Subcontractor visit the site to determine the complexity of the work and the existing conditions. Verify all dimensions, connections, and other field conditions to determine the size and quantity of equipment and materials. Verify dimensions and elevations indicated on the drawings and compare them to the field conditions. Conditions which are obvious/visible or which are anticipated by the Subcontractor on inspection are not considered under the Differing Site Conditions clause of this subcontract.

1.6.1 Project Discrepancies

Discrepancies between the drawings, specifications and/or existing conditions that are found, are to be referred to the SGS Subcontract Administrator in writing, for review, before the affected work is performed. The Subcontractor is responsible for carrying out the work per industry standard and in a manner satisfactory to Contractor if notification is not made.

1.7 WORK RESCHEDULING

Allow for days where construction activity is prohibitive. Further allowance for days of excavation and subsurface activity abeyance may be imposed where other construction activities are permitted. The SGS Subcontract Administrator will provide the number of days for each of these conditions within the Request of Proposal (RFP). Government will provide a minimum of a 24 hour notification each time the restrictions are invoked.

Normal duty hours for work are from 7:30 a.m. to 4:00 p.m., Monday through Friday. Submit a written request for additional work for approval from the SGS Subcontract Administrator 7 days in advance of the proposed work period.

1.8 OCCUPANCY OF PREMISES/ACCESS REQUIREMENTS

Building(s) [will] [will not] be occupied during Performance of Work under this Subcontract. If occupied, occupancy notifications will be posted in a prominent location in the work area.

Submit a plan before work is started to the SGS Subcontract Administrator or Representative for approval. Include in the plan a sequence of procedures, means of access, space plan for storage of materials and equipment, and use of approaches, corridors, and stairways.

1.8.1 Facility Contents

1.8.1.1 Responsibilities

Closely coordinate the schedule of work with the SGS Subcontract Administrator. Unless otherwise stated, remove and store all furniture, fixtures and equipment that are within the project area as required to perform the work. Cover and protect from damage any movable or fixed furniture, fixtures and equipment remaining in the work area from damage. All relocated/stored items are also to be protected from damage throughout the construction period. After completion of work and prior to final acceptance, replace all items in their original location.

[The entire area will not be available to the Subcontractor at one time. The following phases of work and procedures are required:

a.	L	
b.	٦	11

[Demolition of [mechanical, electrical, etc.] system(s) are not to be started until replacement equipment is on site.]

1.8.1.2 New Material and Construction Equipment

Only material and construction equipment designated for performance of

Subcontract work is allowed to be stored at the construction site or located in Government-controlled warehouses or shop facilities.

1.8.2 Construction Area Access And Control

1.8.2.1 Access and Control Requirements

Exclusive use or control of any area will not be allowed as the Government and Government Contractors must have access to all areas at all times. All work must be scheduled around operational constraints.

Work in and around the project does not require security escorts. A Limited Unescorted Access System is in place. This requires the Subcontractor to provide a list of names, social security numbers and citizenship of the employees that need access into this controlled area. The Subcontractor is held responsible/accounting for Temp. Passes. Area familiarization classes are required.

1.8.2.2 Security

Entry into a secured area is a privilege that can be denied, suspended or revoked. A Temp. Pass can not be used for sightseeing or cutting through any secured portion of the Space Center. Personnel are authorized to go only to and from their work locations. When entering the main gates, the badge must be held face out toward the officer. Also, the pass must be displayed at all times above the waist with the picture and/or expiration date visible. The swapping of passes between employees is prohibited and violators may be barred from KSC/CCAFS/PAFB. Passes must not be worn outside KSC/CCAFS/PAFB or when off duty. Do not leave the pass in a vehicle where it can be stolen. Report lost or stolen passes immediately to your supervisor. When an employee is terminated, their supervisor must confiscate the pass, escort the employee to the gate and return the pass to Security.

All personnel are subject to search of their vehicles and property. Alcoholic beverages, including "non-alcoholic" beer and malt beverages are not allowed. Firearms of any make or caliber, ammunition, air guns, large knives and dangerous weapons of any kind are not permitted.

SGS Security Police is the authorized law enforcement agency with issuance of citations. Comply with all traffic laws and the Florida Financial Responsibility Act.

All hand carried items (briefcases, gym bags, packages, etc.) require an identification tag or label. Information to be included on the baggage tag is the name of the Owner and the company the owner works for including phone number and address. The Security office within NASA HQ can provide laminated tags using business cards provided to them. Unidentified items that arouse concerns for explosive devices may be confiscated or destroyed.

1.9 STORAGE, TRANSPORTATION AND PROTECTION

1.9.1 Storage

Subcontractor may be assigned space at one of the base central storage areas upon written request to the SGS Subcontract Administrator. Indicate dimensions of trailer, size of storage area, and utilities required. All trailers are required to be in good and safe condition operational condition. Additional requirements for trailer installation will be

The Subcontractor is responsible for contacting the local phone company, Bell South, to request a telephone number and line for their office trailer. The following paragraph is used only for CCAFS *************************** [Paint office trailers and long term (longer than one year) storage trailers to match the base standard color "Conch Shell", as noted in the base Facilities Excellence guide. Trailers located on site for short term storage, 10 working days or less, do not need to meet this requirement. addition, skirt all office trailers and long term storage trailers along the entire perimeter with a wood lattice material. Paint this skirting to match the same trailer color as described above. The Subcontractor is responsible for the storage and protection of all his materials and equipment, whether incorporated into the job or not. The Subcontractor is also responsible for enclosing the assigned storage area with a minimum 6' high privacy fence. The fence must be black vinyl coated galvanized fencing, with a black nylon screen covering as approved by the SGS Subcontract Administrator. Continuously maintain the fence in good repair throughout the construction. The intent is to conceal construction materials, equipment and debris from adjacent occupied areas during the life of the Subcontract. Upon completion of the Subcontract, the Subcontractor is be responsible for removing the fence and restoring the site to its original condition.] 1.9.2 Hazardous Materials Store and handle Hazardous Materials & petroleum product containers as outlined in the Safety Information attachment and Section 01 35 43.00 99 ENVIRONMENTAL PROCEDURES. NOTE: Delete the following subpart in its entirety if Government Furnished Items are not provided as part of the project. ************************* [1.10]GOVERNMENT/CONTRACTOR-FURNISHED MATERIALS Government/Contractor will furnish to the Subcontractor the following property to be incorporated or installed in the work, or used in its performance. Such property [will be furnished as Freight On Board (F.O.B.) at [____]][can be picked up at [____]]. Maintain and protect Government/Contractor furnished property once it is on the construction site. SALVAGE RECEIVING DESCRIPTION ITEM QUANTITY AVAILABLE POINT [___] [____] [____] [] [] Quantities indicated for the above-listed items marked with an asterisk are

provided to the Subcontractor at the time the space is granted.

estimates. It is the intention of the Government/Contractor to furnish all

quantities of the asterisk items required to complete the work as specified.

Quantities stated for the above items not marked with an asterisk are all that will be furnished by the Government/Contractor. Furnish any additional quantities required.]

1.11 ON-SITE PERMITS

1.11.1 Utility Outage Requests and Connection Requests

Schedule work to hold outages to a minimum.

Arrange Utility Outages and Connection Requests required during the execution of work that affect existing systems, at the convenience of the Government and Contractor. This may require scheduling work outside of the regular working hours or on weekends, at no additional cost to the Contractor.

State the system involved, area involved, approximate duration of outage, and the nature of work involved for each Utility Outage and Connection Request.

1.11.1.1 Requirements

A written request for a utilities outage (electricity, communication, water, compressed air, gas, steam, air conditioning, etc.) must be submitted to the SGS Subcontract Administrator at least 14 calendar days in advance of the desired outage. Approval is required prior to scheduling any outage. Carefully observe limitations noted on the approved outage authorization. Make final verbal coordination 4 hours prior to the outage by calling the SGS Subcontract Administrator or his representative. A utilities outage without prior approval and coordination is prohibited.

Since many systems are critical to facility operations, the number and duration of utility outages must be [kept to an absolute minimum] [limited to a four (4) hour maximum at any one time, unless otherwise approved by the SGS Subcontract Administrator due to unusual circumstances.] Coordinate all work effort and provide sufficient manpower, materials, and equipment to complete the work within the authorized outage window.

Interrupt existing utility services only when approved by the SGS Subcontract Administrator. Schedule the interruption at a time of minimum demand on the utility, convenient to the Government and Contractor.

Make all necessary arrangements to schedule and provide connections to existing utilities and to cause minimum interruption to system operation, temporary utility hook-ups and disconnects.

If the Subcontractor fails to comply with a scheduled outage, the cost to reschedule the outage will be deducted from the final subcontract payment.

[1.11.2 Construction Permit

All construction work requires a Construction Permit, AF 103. This permit

is processed by the Contractor and provided to the Subcontractor. It is required prior to the start of any construction at the project site and must be posted on site during all construction activities.

]1.11.3 Borrow, Excavation, And Welding Permits

Submit Borrow Requests, Excavation Requests, Brush/Tree Clearing Requests, and Welding Requests to the SGS Subcontract Administrator. Permits will be obtained by the SGS Subcontract Administrator or representative, within 14 calendar days, for distribution to the Subcontractor.

ACTIVITY	SUBMISSION DATE	SUBMISSION FORM
[Borrow Permits [Burning Permits [Excavation Permits [Welding Permits	days prior to work]]]
Post permits in a co	nspicuous location in the const	truction area.
Burning of trash or	rubbish is [not] permitted at	[] [on project site].
_	h or rubbish must be done in st shed by the authority having ju	-

Obtain from the SGS Subcontract Administrator or representative, assistance for locating current subsurface utilities for the particular area to be worked on prior to performing any excavation work or any surface penetrations 6 inches or deeper (such as driving stakes more than 6 inches in the ground). Stake out subsurface high voltage cables, communication cables, and pipe lines indicated within the scope of the work contemplated.

Notify the SGS Subcontract Administrator, 14 days prior to the start of excavation work or surface penetration, to enable the SGS Subcontract Administrator to review measures being taken to prevent hazard to employees and possible damage to subsurface utilities, and allow Contractor time to respond to scanning requests. Immediately inform the SGS Subcontract Administrator of intention to initiate work prior to actual start of activity where emergency conditions preclude the 14 days advance notification.

After an excavation permit has been obtained and prior to any excavating, verify with Duty Office that there are no Test Control Periods (TCPs) that would prevent excavation.

Temporarily halt any machine excavation work or other surface penetration when approaching within 10 feet of the existing utility line until exposure of the utility line by hand excavation to fix its location has been completed.

1.12 SALVAGE AND DISPOSAL OF MATERIAL AND EQUIPMENT

1.12.1 Removal

Remove and/or relocate only those materials or items of equipment specifically indicated in the drawings and specifications. Perform removal operations in such a manner that adjacent areas, installed equipment, or existing utilities are not damaged. Repair all openings that occur due to removal or demolition operations to match adjacent, existing surfaces.

Repair any damage incurred during removal operations at no additional cost to the Government/Contractor.

1.12.2 Salvage Of Material And Equipment
All salvageable materials or items to be removed remain the property of the Government. Salvageable items are listed below in the paragraph entitled, "Salvage Items". [Transport to and deposit at the Defense Re-utilization and Marketing Office (DRMO) at Cape Canaveral Air Force Station all salvageable items.]

The sentence in brackets above and paragraph below is for AF property only

[Salvageable material must be segregated and separated into categories before transport. All salvageable items delivered to DRMO must be accompanied by a properly prepared [DD Form 1348] [NASA 7-49]. This form will be furnished by the SGS Subcontract Administrator. Furnish a signed copy by DRMO reflecting the turn in materials to the SGS Subcontract Administrator.]
Maintain property control records for material or equipment designated as salvage. Subcontractor's system of property control requires approval by the SGS Subcontract Administrator. Subcontractor is responsible for storage and protection of salvaged materials and equipment until disposition by the SGS Subcontract Administrator.
Protect material to be salvaged and reinstalled during removal and stored to prevent damage.
For reference purposes salvageable is defined as: items, material, equipment which can be refitted, reworked, and restored and put to use or sold. The Government/Contractor has sole discretion as to determining whether any particular item is salvageable.
1.12.2.1 Salvage Items
Salvage the following equipment and materials:
a. []
b. []
c. []
Additional items must be inspected by the Government/Contractor to determine whether they are salvageable or debris. All salvageable material deliveries must be accompanied by a properly prepared [DD Form 1348] [NASA 7-49].

1.12.3 Waste Disposal

Unless otherwise directed, remove non-salvageable material and debris from work areas and dispose of daily. [Use Cape Canaveral Air Force Station (CCAFS) landfill for disposal of CCAFS and PAFB C&D debris in accordance with Florida Department of Environmental Protection (FDEP) permits. Dispose of asbestos waste at the CCAFS asbestos mono-fill unless otherwise directed by the SGS Subcontract Administrator.]

Refer to Section 01 35 43.00 99 ENVIRONMENTAL PROCEDURES for further waste disposal and record keeping requirements.

1.12.4 Cleanup

Upon completion of the construction each day, leave the work premises in a clean, neat and workmanlike condition, satisfactory to the SGS Subcontract Administrator. Additional information is contained in Section 01 35 43.00 99 and Safety addendum.

1.12.5 Salvage And Disposal Record Keeping

Maintain a disposal log of all materials removed from the job site. Include waste materials disposed in landfills and materials sold for salvage and recycled. The disposal log form is available from the SGS Subcontract Administrator. At a minimum, identify the type of materials, material weight, disposition (landfill or recycle), receiving facility (name, address and phone number) and net disposal costs or rebates including container costs, hauling and tipping fees as applicable. Submit two copies of the disposal log and all dump tickets and receipts associated with disposal to the SGS Subcontract Administrator at the completion of the project.

[1.13 RADIO FREQUENCY MANAGEMENT PROCEDURES

The following procedures must be followed in obtaining radio frequency authorization:

The policy and procedures contained in AFI 33-118 must be followed to obtain frequency allocation approval of electronic devices and USAF Radio Frequency Assignment.

]1.14 COMMUNICATION SECURITY

Government telecommunications networks are continually subject to interception by hostile/unfriendly intelligent organizations. Therefore, the monitoring and recording of both land line and cellular telephone calls from, or to Government installations is conducted. The Subcontractor is responsible for ensuring frequent dissemination of this information to all employees dealing with official information.

[2.1 SUBCONTRACTOR PROVIDED RECORD DRAWINGS

Record drawings must reflect all civil site developments such as new facility and/or land modifications, external structural changes to aboveground structures, and changes to underground structures and utilities external to facilities located on lands owned by or held in leasehold interest of the federal government.

[Acceptance of the completed drawings by the Government/Contractor does not certify accuracy and completeness of the documents. Nonconformity with any of the following requirements will result in withholding of Subcontractor payments.]

Information in record drawings must include, but not be limited to:

- a. Location of all new lines, conduits, valves, fittings, fire hydrants, meters, terminal points using at least two ties to permanent points (manholes, power poles, curbs, or storm water inlets), or GPS coordinates with accuracy to at least 1 meter, or better if more stringent accuracy requirements are specified in other sections of this subcontract. Use an acceptable station and offset system for service lines and fittings only.
- b. Location of new lines from property easement lines or edges of pavement at intervals of 300 feet.
- c. Reflect all utility routing and interface changes on the drawings to scale and defined with sufficient dimensions.
- d. Provide support for obtaining surveyed coordinates for facility footprint corner and underground structures and utilities external to facilities by submitting Form ENG-F-CE06 to the SGS Subcontract Administrator at least five (5) working days prior to foundation construction or open excavation as notification to the JBOSC Survey Services Department who will obtain the coordinates.
- e. Create the Record Drawing at a minimum scale of 1 inch = 100 feet. Enlarge areas requiring additional details necessary.
- f. Provide Record drawings in digital format. Geospatially referenced files must be in ESRI GIS Geodatabase, ESRI GIS Shapefile, Microstation DGN, AutoCAD DWG or DXF file format. Contain new like items in the same levels to permit easy conversion to GIS layers.
- g. Use spatial reference as:

Horizontal accuracy: Reference all surveys/drawings to Florida State Plane Coordinate System, East Zone, North American Datum 1983/1990 adjustment based on Second Order Class II horizontal control monument.

Vertical accuracy: Reference all surveys to North American Vertical Datum (NAVD) 1988. Include a description of the reference benchmarks from which the NAVD has been determined.

- h. All lines, letters, and details must be sharp, clean, and fully legible.
- i. One reproducible print and one digital copy in an electronic storage media are required for submittal.

][2.2 JBOSC PROVIDED SURVEY SUPPORT

For projects wherein the Subcontractor is not required by the Contractor to provide certified record drawings, the JBOSC Survey Services Department will provide the SGS-JTDC Office the required certified survey data to update CCSGIS Survey. Work supporting this effort will be funded either through baseline subcontract funding, through inclusion in project-to-project funding, or Type 3 JBOSC Work Order. Funding source will be at the discretion of the Government/Contractor.

For all land surveys, notify JBOSC Survey Services Department, through the SGS Subcontract Administrator, five (5) days in advance and prior to completion of foundation construction for all civil site developments and/or any changes to underground structures and utilities external to facilities including by not limited to construction, modification or burying of underground utilities on lands owned by or held in leasehold interest of the federal government. Provide notification to the JBOSC Survey Services Department through the submittal of ENG-F-CE06.

] PART 3 EXECUTION

3.1 DELIVERIES

3.1.1 Non-Hazardous Deliveries

To the maximum extent possible, schedule deliveries between 1000 and 1500 hours to avoid the peak traffic volume times. The driver of each delivery vehicle and their passengers must have the following:

- a. A valid photo ID; and
- b. A valid bill of lading; and
- c. A known delivery point; and
- d. A Point of Contact (POC) and phone number of POC to vouch for delivery
- e. An on-base or local phone number and POC to vouch for delivery

Only deliveries that can be verified will be allowed to proceed. Special deliveries, deliveries after normal business hours, or deliveries that cannot negotiate through the barricades must be coordinated in advance.

All delivery vehicles will be inspected by Security Forces personnel prior to being allowed to proceed onto the installation.

3.1.2 Hazardous Deliveries

[Deliveries of fuel, large volume of chemicals, or other hazardous materials shall comply with this section. Only deliveries that can be verified will be allowed to proceed. In addition, hazardous deliveries must be scheduled a minimum of 48 hours in advance for escort by Security Forces to and from job site. Contact Security to arrange for hazardous delivery escorts. Deliveries that have not been arranged in advance will be turned away and must be re-scheduled.]

3.2 RESPONSIBILITIES

The Government/Contractor reserves the right to revoke badging authority, escort authority and/or base access privileges for any person, at any time and for any reason. The Subcontractor understands that the Government/Contractor has made every attempt to identify potential delays associated with background checks and badging requirements and that such delays have been considered in the construction schedule. Delays resulting from the Subcontractor's failure to follow the badging guidelines above will not be considered grounds for Subcontract extension or compensation.

3.3 EXCAVATION

3.3.1 Work Clearance Request

[Obtain (from technical representative), prepare, and properly complete AF FORM 103.] Provide coordination for location of buried structures and utility lines before beginning any work involving digging/excavation. [The Technical representative will be the first and the last to coordinate on the AF FORM 103.]

3.3.1.1 Location of Buried Structures and Utility Lines

Accurately locate and stake structures and utility lines indicated. [Provide a drawing indicating the full extent of digging/excavation (width, depth, and length of trench or hole) and attach to the AF FORM 103.] If unidentified underground utilities are encountered during excavation, notify the SGS Subcontract Administrator and cease operations until they are properly identified.

3.3.1.2 Excavation, Trenching, and Backfilling

Open only those trenches for which material is ready to be placed. As soon as approved by the Technical Representative, backfill and tamp trenches as required by the drawings and specifications. [As a minimum, replace topsoil and grassed by seeding the disturbed area. Water and maintain for a minimum of 60 calendar days.] Stockpile excavated materials a minimum of two feet from the edge of the excavation. Mark or barricade construction work which presents a hazard.

3.3.1.3 Cutting of Roads, Streets, Driveways, and Paved Areas

Repair roads, streets, and paved parking areas which require surface cutting under this project within 10 calendar days after initial cutting. Provide a minimum of 2 inches of asphalt topping to match existing (concrete topping on asphalt areas is not allowed). Mark, barricade, and illuminate construction work on or near roads or streets which present a traffic hazard per OSHA 29 CFR 1910. Provide signaling, lighting, and barricades in the construction area conforming to the Manual on Uniform Traffic Control Devices, OSHA 29 CFR 1926.201 and 1926.202. Closures of Streets, parking lots, and other traffic areas is not permitted unless approved by the SGS Subcontract Administrator after written request 14 calendar days before the scheduled closure.

3.4 LAND SURVEYING REQUIREMENTS

outdoor utilities.

Include all projections and datum points required for all modifications affecting civil site plans (e.g., utilities, additions, new construction or storm water modifications). The survey must be performed by a licensed surveyor.

3.4.1 Subcontractor Provided Survey Support

Reflect all civil site developments such as new facility and/or land modifications, external structural changes to aboveground structures, and changes to underground structures and utilities external to facilities located on lands owned by or held in leasehold interest of the federal government.

3.5 WELDER QUALIFICATION REQUIREMENTS

3.5.1 Welding And Brazing

Before assigning any welder/brazer to work in pipe and/or structural fabrication on this project, provide names to the SGS Subcontract Administrator of all welders/solderers together with written certification that these welders/brazers have passed Qualification Tests as prescribed by AWS D1.1/D1.1M, AWS B2.1, and/or ASME BPVC SEC IX, as applicable. Perform all piping and/or structural welds by persons holding current certifications. If required, the test and certification must be by an independent organization regularly engaged in the testing and certification of welders. Date of certification for each welder/brazer must not be over one year prior to date of Subcontract award.

3.6 HOISTING AND LIFTING

3.6.1 Lifting Operation Plan

A Lifting Operation Plan and procedure that is fully in accordance with the requirements of OSHA regulations is required. Include drawings/sketches of

lifting slings, lifting equipment, and tag lines. Show weights, center of gravity, and clearances of load over entire lift. Provide details showing any structural mounting of hoisting equipment on sheaves or structural steel, and loading calculations on any such structural mounting showing forces, weights, turning moments, etc. A procedure must accompany the drawings describing all lifting operations. Use spreader bars wherever necessary to prevent hoisting cables from contacting equipment/material.

3.7 QUALITY CONTROL

3.7.1 Licenses

The Subcontractor or their Lower Tier Subcontractors must be licensed by the State of Florida or have an equivalent out-of-state license in all areas applicable to this Subcontract. Refrigerant Technicians must provide the SGS Subcontract Administrator copies of their EPA approved Technician Certificates. Asbestos Abatement Subcontractor must be licensed by the State of Florida.

3.8 SUPERINTENDENT

Designate a competent superintendent empowered to act for the Subcontractor and be the primary contact with the Government/Contractor until acceptance. Superintendent must be at the job site during all working hours throughout the course of the project.

-- End of Section --